



The Raleigh Amateur Radio Society's

EXCITER

GET INVOLVED

- RARS General Membership meeting: Second Tuesday of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 p.m. in place of the RARS net.
- RARS meets for a monthly dinner on the First Tuesday of each month.

PUBLIC SERVICE

Thank you to everyone who volunteered to help make the 2014 Ham Public Service season a great year. Visit <http://www.rars.org/public-service.php> frequently for additions to our 2015 ham public service schedule.



Season's Greetings to RARS Friends and Members!

By Tom Lewis, N4TL, RARS Vice President

Please join us for our December club meeting, which will be short on business and long on rag-chewing! Once the new officers are sworn in, we will celebrate by eating appetizers and snacks, which everyone brings to share. Drinks and paper products are provided by RARS. Please sign up your potluck appetizer or snack on the RARS [website](#) or go directly to the [sign-up site](#). If you sign up for a potluck item, it should be for about six people.

Financial donations this year will go to support the Marines' Toys for Tots program. RARS will donate \$100 outright. In addition, the club will match dollar-for-dollar each donation made by attendees up to the sum of another \$100. We have the potential to put a smile on the face of young boys and girls. What could be better?!



RARS Officers

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VICE PRESIDENT

Tom Lewis
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The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.



Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are \$18 per year (from July 1 through June 30). Additional immediate family members pay \$5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are \$12 per year. Dues for non-licensed associate members are \$9 per year. Applications for membership may be obtained from the treasurer or on the RARS website (www.rars.org).

Exciter

The *Exciter* is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The *Exciter* welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's *Exciter* is the third Friday of the preceding month. All submissions must be final. Drafts are not accepted.

The views expressed in the *Exciter* are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Cathy Downs, KA3QPU, editor (editor@rars.org)

For Your Information

RARS General Meeting

Date: **Second** Tuesday of each month
Location: Ridge Road Baptist Church
2011 Ridge Road
Raleigh, NC, 27607
Time: People begin arriving at 7 p.m.
The meeting officially begins at
7:30 p.m.

RARS Monthly Dinner

Join us on the **first** Tuesday of each month for the RARS dinner. It's open to everyone: RARS members, non-members, friends, and family. Feel free to bring your little ones! Dinner begins at 6:30 p.m.

Listen to the nightly RARS net and check www.rars.org for details on the next dinner's location.

RARS Repeaters in Raleigh

146.640 & 443.625 (88.5 PL)

Join us for the nightly RARS net at 8 p.m. on the 146.640 repeater. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS members to the net.

VE Testing

The RARS VEs will accept walk-in testing in May, August and November (location to be announced); the RARSFest in April; the Cary Swapfest in July; the JARSFest in November; and following RARS license classes.

Please bring a photo ID, your current license, a copy of your current license, your \$14 exam fee, and any CSCEs you have for credit. Visit www.rars.org for more information.

Message from the President

How the year has flown! And now, my final message to you as president:

I think it is only right for me to give you my thanks. I have learned so much from all of you.

What have you taught me? First, amateur radio operators make good friends. Building, renovating and disassembling ham shacks and antennas is hard work. I can't count the number of times a request for help has gone out on the RARS-L list.

I have also learned that AR operators come from many walks of life and each one has skills that enhance our community. Some AR operators like to talk on the net. It is so good to catch up on the small and large things in everyone's life...and to hear familiar voices while at home working on other projects.

You have taught me the world is a friendly place. And I know that when I pop through the door at our monthly meetings I can count on all of you to brighten my day!

Thank you so very much.

73, CJ, NC4CJ

2014-2015 Meeting Topics

Holiday Party	Dec. 9
World Radiosport Team Championship, July 8-14, 2014 (www.wrtc2014.org & pvcnc.org).....	Jan. 13
Nate Morschi, N4YDU President of PVRC-NC.	
"How Antennas Radiate"	Feb. 10
Dan, WY3O, head of NCSU Department of Electrical and Computer Engineering	
Awards, Birthday Party, RARSfest Update	Mar 10
TBD	
The Elecraft KX3 Transceiver	April 14
Bert Michaud, N4CW	
What is EMC and Why It Is Important for Radio Operators	May 12
Jay Diepenbrock (KM4EP) with input from Dr. Bruce Archambeault	
Field Day	June 9
TBD	
<i>Titles, topics, and speakers subject to change.</i>	

RARS Exhibits at University of Scouting

By Charles Good, KM4AMT
RARS Acting Public Information Officer

For Amateur Radio to survive as a hobby and as a voice in future legislation, we must ensure that all clubs have a healthy mix of young people and old pros. However, the big question is, "How do we interest today's young people, who have cell phone, tablets, and a social media presence, in radio?" One excellent possibility is Scouting.

Boy Scouts of America (BSA) and the American Radio Relay League (ARRL) have been working together in mutually beneficial ways for over a century, and in 2011, BSA and ARRL signed a memorandum of understanding that establishes the ARRL as the go-to source for Scouts interested in learning about and becoming involved in radio communication.

So, how does a local amateur radio club let local Scouts know we are here to help them with radio-related merit badges, activity pins, and STEM (Science, Technology, Engineering and Mathematics) awards?

Each November, adult Scout leaders (called Scouters) sign up for leader and skills training with the local Boy Scout Council's University of Scouting. This year, over 350 Scouters attended the November 1 event, which was held at the



Photo provided by Murray Merner
The RARS table with radio brochures, contact cards, and equipment exhibits.

interested Scouters and ensured all 350+ of the University participant packets had a contact card.

www.rars.org



Photo provided by Murray Merner
From left to right, Charles Good, Murray Merner and Karl Bowman

The University planning committee encourages exhibits and both RARS and the ARRL were represented by our RARS Educational Director, Murray Merner (K4MHM), our ARRL N.C. Section Manager, Karl Bowman (W4CHX), and our acting RARS Public Information Officer, Charles Good (KM4AMT).

Besides giving out contact cards and offering a wide assortment of amateur radio brochures, we provided streaming video information on ham radio as a hobby. We also provided equipment exhibits and demonstrations. To accomplish this, we had two separate tables (see photos). One for RARS and one for ARRL.

Scouting and Radio

The Raleigh Amateur Radio Society (RARS) can help your unit with:

- Radio and Electronics Merit Badges
- S.T.E.M. activities
- Public Service Opportunities
- Becoming FCC licensed



Check us out: www.rars.org/Scouting

At right is a snapshot of one of the contact cards. This will help refer Scouters to our Scouting web page at www.rars.org/scouting/.

In the months ahead, we tentatively plan other radio outreach activities such as visit District

See University of Scouting, p. 5

New RARS Members

Adrian Howell II	KM4CSH
Jim Fleischhauer Jr.	KM4DCJ

December Birthdays

David	KB8V	12/01
Glenn	KA4GLN	12/04
Ronnie	W4RJF	12/06
Randy	KE4PNT	12/06
Virginia	NC4VA	12/09
Clyde	WB2EYC	12/10
Mike	WA4BPJ	12/11
Frank	KA2FWC	12/12
Roger	KS4VX	12/12
Barry	KM4DMN	12/14
Leroy	KM4ARW	12/14
Conner	KE4ZNS	12/15
Cliff	W4FT	12/17
Charles	KM4AMT	12/18
Roger	W3EZR	12/18
Gregg	KE2SX	12/20
Tom	KM4ARY	12/20
Sam	KA4APE	12/24
Nathan	K4NYA	12/26
Mike	WD4MB	12/27
Mike	KK4YAQ	12/27
Pam	KM4AMS	12/28
Darrell	W4CX	12/29
Jason	KK4TLZ	12/29
Dick	KD4ISC	12/31
Catie	KE4DRL	12/31

University of Scouting, continued from p. 4



Photo Provided By Murray Merner
The ARRL table with streaming videos via laptop and samples of key training manuals.

Roundtables and Commissioner Roundtables. In 2015, RARS has been invited to join the University's faculty and present courses on Amateur

Resolving Issues

By Murray Merner, K4MHM

RARS Education Director

Hey, do you have issues? I don't mean personal problems; I mean some difficulties with some technical stuff with Amateur Radio. It may be about programing your new handheld, hesitancy about getting on a net, learning the Morse Code, antennas, HF operation, contesting. The list is actually endless.



RARS can help you with your "issues," and you don't even need to see a therapist. For the newly minted hams, there is the New Ham Meeting at 6:00, just before the general meeting. Members of that group seem to have the age-old dilemma: "What do I do now?"

The meeting includes Elmers who have been there, done that, and have the experience to help you. Need some one-on-one? Go to the RARS website (RARS.org) and look at the list of Elmers who have said they will help.

Are you a more experienced ham and having problems with digital operation, QRM, DX, emergency response, or anything else? You can use the Elmers for Technical Assistance. This Technical Assistance is located right here in Wake County, not some far-off land and they speak the language. If they don't know the answer to your question, I'll bet they know someone who does.

Now, if the issues are with your family or work, you may want to talk to a counselor (or spend less time playing radio)! If you would like more information on the New Ham Meeting or Elmers/ Technical Assistance contact, Murray, K4MHM at k4mhm @ arrl.net.

Radio. Any RARS member with ideas for such 1-hour classes should contact Murray, K4MHM, at k4mhm @ arrl.net.

November General Meeting Wrap-up

By Tom Lewis, N4TL, Vice President

Doug Hall, K4DSP, presented a program about frequency measurements and frequency standards during our November meeting. During the presentation, he mentioned the program Fldigi, which can be used for decoding various digital signals and frequency measurements. You can find it by using Google to search for Fldigi.

A more capable (but more complex) program for frequency measurement is Spectrum Lab, which can be found at <http://www.qsl.net/dl4yhf/spectral.html>. It is another free program people use for the ARRL's Frequency Measuring Test (FMT). Information on the FMT can be found at <http://www.arrl.org/frequency-measuring-test>. You can also find frequency measuring tips on



Photo by Tom Lewis, N4TL

Doug Hall, K4DSP, presents "Frequency Standards and Accurate Frequency Measurement" at the November meeting. software and calibration at www.k5cm.com. For more photos of the November General meeting, click [here](#).



The ARRL defines an Elmer as "someone who provides personal guidance and assistance to would-be hams."

We at RARS think this goes beyond "would-be-hams" and continues into assisting new hams.

Murray Merner is forming a core of Elmers for new hams in RARS. Please contact Murray at k4mhm@arrl.net and volunteer to be a RARS Elmer.

2014-15 Hamfests & Conventions

North Carolina State Convention (43rd Annual RARSFest) | Apr. 4

Location: Raleigh, NC

Website: <http://www.rars.org/rarsfest>

Blue Ridge ARS's 56th Annual Hamfest | May 2

Location: Spartanburg, SC

Website: <http://brars.org>

Roanoke Division Convention (Shelby Hamfest) | Sept. 5

Location: Shelby, NC

Website: <http://shelbyhamfest.org>

Time is almost out!

The party ends Dec. 31, 2014, at 2359Z

For information about the ARRL Centennial QSO Party, click [here](#).

Are You a Contester?

Visit the [ARRL's Contest Calendar](#) for a listing of upcoming contests.

Minutes

Board of Directors Meeting Raleigh Amateur Radio Society October 21, 2014

Present: Bob K4YXM, C.J. NC4CJ, Chuck K4HF, Tom N4TL, Joanne AK4RJ, Bill AK4BL, Murray K4MHM, Charles KM4AMT, Karl W4CHX, Don WA4AVU

Guests:

1. **Call to order (CJ NC4CJ):** The meeting was called to order at 7:04 p.m. There was a quorum present.
2. **Approval of minutes (CJ NC4CJ):** The minutes of the August meeting were approved as corrected. Schedule is being mailed to board members.
3. **Vice President's report (Tom N4TL):** Meeting topics through March have been set. Two more people have committed for a program but they have not been scheduled.
4. **Treasurer's report (Greg KE4PAX):** No Report
5. **Secretary's report (Bob K4YXM):** No report.
6. **Committee reports:**
 - a. **ARRL liaison Chuck K4HF:** Chuck noted the popularity of the W1AW/x program.
 - b. **Education Director (Murray K4MHM):** Murray reported that the Extra Class is continuing. The Tech class has been moved to February 2015. There are currently over 90 people on our list of potential students for the next Tech class. Adding additional instructors or in-class assistants is being considered. Also, a new place to hold the class is being considered. He noted that the larger room may have a fee.
 - c. **New Member Meeting and New Member Processing:** The following process was decided upon. The Treasurer will e-mail the President the names of new members and their e-mail addresses members. The President would then send a welcoming e-mail to the new member. Don will incorporate her signature into the welcoming e-mail.
 - d. **Exciter Chair (Cathy KA3QPU):** Send articles
 - e. **North Carolina QSO Party (Marty W4MY):** No Report
 - f. **Field Day Chair (Dennis NC4DK):** No Report.
 - g. **FM Repeater Chair (Karl W4CHX):** Karl reviewed the status of each new machine and what our options are for getting them ready for installation. No decisions have been made.
 - h. **Food Service Chair (Joanne AK4RJ):** Joanne noted that donations are matching expenses.
 - i. **Net Manager (Mary KG4OQA):** No report.
 - j. **Public Service Director (John AI4RT):** No report.

- k. **RARSFest Chair (vacant):** No report.
- l. **W4DW/W4RNC Trustee (Jeff AC4ZO):** No report
- m. **At-Large Director (Bill AK4BL):** Still working on a system for extending hospitality to new members and visitors.
- n. **At-Large Director (Don WA4AVU):** No report.
- o. **RARS Webmaster (Hank K4HM):** No Report
- p. **Information Officer Charles KM4AMT:** Charles reviewed RARS' ongoing cooperation with the Raleigh-based Boy Scouts Occoneechee Council. This included helping local units with Jamboree on the Air or JOTA and serving as RARS representatives on the Council's Science, Technology, Engineering and Math *STEM) Committee. Future opportunities may include proving STEM activities at Council Camporees (held in Carthage) to help Scouts earn "NOVA" awards. Charles and Murray (K4MHM) are working with Karl (W4CHX) to provide a RARS and Amateur radio information booth at the November 1 University of Scouting event held at Wake Tech's main campus. Over 600 adult leaders (Scouters) will be in attendance. Charles and Murray will be working with Hank (K4HM) to create some Scouting web pages on the RARS web site, as well as an inexpensive promotions card to refer Scouters to our Scouting pages where they can learn more (basically discover us). A motion was made to add Charles KM4AMT to the rarsboard-1 list. The motion passed.

7. **Old business:**

- a. **Request by Michael KK4EIB** for RARS membership data was deferred until Greg can present information he is getting from Michael.
- b. **RARS membership via VE testing.** Bob K4YXM made the following motion. "Effective November 1, 2014, newly licensed hams who tested with the RARS VE team, at either a regularly scheduled testing session or at a session after a RARS sponsored class, will get a complementary RARS membership expiring on June 30 of the following year." Motion passed.
- c. **Maker Faire:** Bill AK4BL felt that RARS should "step up" to take a lead role in organizing ham radio participation in 2015 Maker Faire. The consensus was that the club will support Bill as he determines RARS participation in Maker Faire next year.

8. **New business:**

- a. C.J. NC4CJ has distributed a form to board members for them to use in preparing their reports to the board. They (completed forms) are not for general distribution among the board.
- b. Murray felt that minutes for the meetings were being distributed too late for appropriate action to be taken on items coming from the board meeting. ACTION: At the next board meeting, Bob K4YXM will present a schedule for publishing minutes of general meetings and board meetings. Objective is that they be available within one week after the meeting.
- c. The board noted that C.J. had resigned effective December 31, 2014.

9. **Additional Business:** None

10. **Adjournment (CJ NC4CJ):** The meeting was adjourned at 9:32 p.m.

Minutes

General Membership Meeting Raleigh Amateur Radio Society November 11, 2014

1. **Call to order:** C.J. NC4CJ called the meeting to order at 7:31 p.m. There were 41 people in attendance.
2. **The following were visitors:** Tadd KA2DEW, Bert N4CW and Adrian KM4CSH
3. **Approval of minutes:** The minutes of the general membership meeting of October 14, 2014 were approved as presented.
4. **Secretary's report (Bob K4YXM):** No report.
5. **Treasurer's report (Greg KE4PAX):** RARS currently has 334 members. If anyone has any questions regarding assets and liabilities, please contact Greg KE4PAX or C.J. NC4CJ for further information.
6. **Reports and announcements from RARS Board members and others:**
 - a. **Education:** Murray K4MHM reported that the Extra Class has completed. There were 17 students in the class. Seven took the exam and five passed. The remainder will be taking the exam either tonight or at JARSfest.
 - b. **Scouting efforts:** Murray K4MHM reported on the work he and Charles KM4ATM are doing to get involved in STEM activities that BSA is doing. He, Charles and Karl, W4CHX, attended the University of Scouting and talked to a number of people about how Amateur Radio could be involved in Scout badges and STEM. He asked for help when the time came to work with the Scouts.
 - c. **Nominating Committee:** Chuck K4HF reported that the committee had added two people to the list to be directors-at-large. They will focus on the upcoming RARS Fest. The amended list of candidates follows:
 - i. **Officers:**
 1. One year term: President – Murray Merner K4MHM (to fill remainder of C.J.s term)
 2. Two year term: Vice president Tom Lewis N4TL; Treasurer Greg Seamster KE4PAX
 - ii. **Board members (one year term)**
 1. Public service director: John Snellen, AI4RT
 2. Public Information Officer: Charles Good KM4AMT
 3. RARS 2015 Hamfest Chair: vacant
 4. RARS Exciter Editor: Tom Lewis N4TL
 5. RARS Net manager: Mary Holtschneider KG4OQA
 6. At-Large Director: Bill Mars AK4BL
 7. At-Large Director: Raymond LeFrancois KK4OOQ
 8. At-Large Director: John Snellen AI4RT
 9. At-Large Director: Jerry Agliata W2GLA
 10. FM Repeater Chair: Karl Bowman W4CHX
 11. W4DW, W4RNC, N4RAL Trustee: Jeff Wittich AC4ZO
 12. ARRL Liaison: Chuck Littlewood K4HF
 13. Education Director: Murray Merner K4MHM
 14. RARS Webmaster: Hank Montgomery K4HM

- iii. Committee Chairman (one year term)
 - 1. RARS Food service: Joanne Mars AK4RJ
 - 2. RARS NCQP: Marty Young W4MY
 - 3. RARS 2015 Field Day: Dennis Keith NC4DK
 - 4. RARS Volunteer Exam Coordinators: Liz and Joe White KO4CK & WA4GIR

Chuck asked for any nominations from the floor. There were none. A motion was made and passed to close the nominations. Chuck then asked for a motion to elect the entire slate by acclamation, which also passed. The new officers will be installed at the meeting in December.

7. Any other business:

- a. Charles, KM4ATM, made additional comments about the Scouts and the RARS website section that focuses on the Scouts.
- 8. **Program:** “Frequency Standards and Accurate Frequency Measurement” by Doug Hall, K4DSP.
- 9. **Adjournment:** The meeting was adjourned at approximately 8:43 p.m.

JARSFEST 2014

Sunday, November 16



Photo by Bill Mars, AK4BL

Group Meeting! First row: Will KF4IZE, Joe W3OJO, Walter KG4JOK; Second row: Lane WK4WC, Karl W4CHX; Third row: Dave W4DNA, Joanne AK4RJ, Carl W4EAT; Fourth row: Hal WB4ZIQ.



Photos by Joanne Mars, AK4RJ

A Glimpse into the Past

By Gary Pearce, KN4AQ

Many thanks to Gary for passing on the following:

The Raleigh (NC) News & Observer runs a series titled “Past Times,” which are reprints of stories the paper ran some time back in its history. In September, they ran an article, “Amateur radio broadened Raleigh’s horizons,” from 1938. Click [here](#) to read it.

The article looks at an emergency test by some hams in the Raleigh Amateur Radio Club (long defunct; the successor is the Raleigh Amateur Radio Society, but there’s been at least one other club in between). The accompanying picture is great...look at the guys in the barn wearing ties!

One significant element of the story is the role of the Radio Amateur in this pre-WWII time, and it’s a fascinating glimpse of how we were seen then. At that time, the U.S. was “neutral,” and hams had not been taken off the air. But we were asked to be wary.

That part of the story is unique to its day. But we hams in Public Relations will notice how much of the rest of the article reads pretty much the same as anything written about us today.

Top left: Irv K3IRV and Hal WB4ZIQ

Bottom left: Dave W4DNA and Charles W4DBI

Top Right: Bob K4HA

Bottom right: longtime traffic handler & OES Carl W4EAT

LOCAL AMATEUR RADIO NETS

The **Apex Emergency Response Communications Net** meets weekly each Sunday at 9 p.m. on the 146.640 repeater. The purpose of the net is to assist ham radio operators in preparing to respond to emergencies, test their equipment, improve operating skills, pass traffic, and to provide those with a common interest an opportunity to meet. The Apex ERC Net provides amateur radio emergency communications for The Church of Jesus Christ of Latter-Day Saints' disaster relief efforts. All stations are invited to participate in this net.

Please join us on the **Carolina 440 Net** every Monday night at 7:30 p.m. This ragchew net utilizes the Carolina 440 UHF Link Repeater System. Comprised of the Raleigh, Down East, and Coastal Wilmington link systems, there are currently 19 repeaters on the system, covering 21,168 square miles. For a list of these repeaters, please visit www.carolina440.net.

Please join us each Tuesday at 9:15 p.m. on the 146.880 repeater for the **Central Carolina SKYWARN** net. On each net there are announcements, check-ins by county, and often a program or training spot. Check us out at www.centralcarolinaskywarn.net.

The **Ham Public Service Net** meets every Wednesday at 7:30 p.m. and provides a forum and discussion platform for area clubs and individual hams to connect with and learn from other local hams who are interested in Ham Public Service. The HPSN is utilizing the Carolina 440 UHF Link System. The repeaters are also accessible through IRLP Reflector 9210, node 4270. The Ham Public Service North Carolina Yahoo Groups address is: www.groups.yahoo.com/group/hpsnc.

The **PCTN (Piedmont Costal Traffic Net)** meets daily at 9 p.m. on the 146.880 repeater. The purpose of the net is to handle/pass NTS formal messages. Amateur stations are encouraged to check in and participate. The backup repeater is the 147.105 (PL tone 82.5).

The **RARS Technical & Trader's Net** is held on Saturday evenings on the 146.640 repeater at 8:00 p.m.

Join us every evening, except Saturdays, at 8 p.m. on the 146.640 repeater for the **RARS Two-Meter Net**. You can give a ragchew, check in and out (this counts for our total numbers reported to the ARRL!), make announcements, and pass traffic. We also offer National Traffic System traffic training. All licensed stations are welcome to participate in the net as often as they can. This net is also a great way to learn about amateur radio if you are newly licensed!

The **VOIP Hurricane Net** is held Sundays at 00:00 UTC on the 146.775 repeater with a tone of 88.5 (IRLP node 4260). For information about activation details, go to www.voipwx.net.

The **Wake County AUXCOMM Training Net** meets Thursdays at 8:15 p.m. on the 146.88 repeater. This net provides amateur radio operators information and training related to emergency communications and for our served agencies, such as Wake County Emergency Management. Please join us. For more information please visit <http://wake.nc.auxcomm.us/>.



RARS Classifieds

RARS Members: [Post](#) a new 30 day listing or [Edit](#) your current listings at www.rars.org/classifieds.php. The items below were listed within the last 30 days.

FOR SALE - ICOM 7600 Station

Posted November 25th, 2014 by: KE2SX

Contact: greggvb@gmail.com

Greetings RARS members -

I am selling my beautiful IC-7600, matching SP-23 external speaker with filters, and PS-125 power supply with 4 pin adapter. All are in absolutely mint condition - the display still has the plastic screen protector on it - and includes original manual, hand mic, and unused DC power cord for the 7600, and factory packaging for all. I am the original owner of this very low time gear and this is a non-smoking household. Everything's been boxed up for the past year and a half and I don't see a future need for it, so it's time to go.

Photos upon request, or personal inspection here at my QTH, although I do not have an antenna to transmit on.

Price for the package is \$3000.00, a substantial savings over retail. Sorry, do not want to separate.

Thanks for reading and 73
Gregg, KE2SX
[greggvb\(at\)gmail.com](mailto:greggvb(at)gmail.com) or 919-435-8817

Items For Sale

Posted November 20th, 2014 by: AJ4HK

Contact: aj4hk@hotmail.com

ANTHF - 6 meter dipole for sale
six meter complete dipole package. total length 10 feet. Handles full 1500 watts any mode.
Stainless steel electrical hardware.so-239 on center insulator. Completely assembled.
Asking \$25.00

MISC - Grundig YB300 PE- SWL Radio
have a like new Grundig YB-300PE travel radio, comes with manual. leather case, and wall wart.
Asking \$ 50.00 or OBO

BOOKMAG - All about Ham Radio Book
All about Ham Radio book.
Author-Harry Helms-aa6fw

Asking \$10.00

Dennis, aj4hk, 919-526-2860

Want to acquire old UHF/VHF HAM radios for packet project

Posted November 9th, 2014 by: KA2DEW

Contact: tadd@mac.com

I'm looking for synthesized ham radios for use in a packet radio project. Anything that works and that I can't use I'll put back on the want-ads for what I put into them (not much use if they don't have microphones). I'll put your stuff to good use.

I need a whole bunch of radios. It takes quite a few to make a decent packet RADIO network.

I don't need microphones or power cables. The radios don't have to have working back lights or even working displays. They can look (or be) abused.

The radios must have frequency control on the unit for the one frequency they will operate on. I'm specifically not looking for PC controlled or PC configured radios though if you have a good idea please contact me! If you know of somebody selling a low priced old radio like this, please email me details.

The radios do NOT need PL TONE capability.

I'm specifically looking for 1980s single band HAM radios on any VHF/UHF band, that are hard to use in a modern (small) ham shack or ham car. I need them to be that way because I can't pay much for them but I need to be able for the user to set the frequency from the radio. I can use HTs if they are not broad-band.

Thumbwheel controlled radios are great. I don't need working batteries or chargers though DC adapters would be handy. Any synthesized ham HT made before 1990 is wonderful.

See **Classifieds**, p. 13

Want to be a Published Writer?

Do you like building ham radio equipment? Have figured out a way to get an antenna up in a neighborhood with covenants and restrictions? Did you participate in a marathon or bike-a-thon? How about sharing your interests, knowledge, and experience with other hams in the *Exciter*? We need both technical and non-technical articles for the *Exciter*. Short or long, we'll consider just about anything amateur radio-related.

To submit an article, just email your piece to the Editor (editor@rars.org). Please feel free to attach any appropriate pictures or graphics. Be sure to include caption information about the images and identify the people in photographs. And always obtain their permission to use their image.

We look forward to promoting our hobby and sharing information! Break out those pens, pencils, or keyboards and get writing!



Classifieds, continued from p. 12

Examples: Kenwood TM401, TM411, 7800 7900, 2530 TM3530 with no PL; Azden PCS4XXX series; Icom IC3AT IC4AT thumbwheel radios. Santec etc.

I'm also looking for small yagis and omnis for 6m, 2m, 220, 440.

I can use newer radios but radios with control heads or dual band are worth more than this project needs. Please donate to a new ham. I'm really looking to rescue HAM rigs that have been too sentimental to throw away but never get used, or even something that is broken or missing parts. Broken radios may be useful here. Members of our packet group are pretty good with fixing rigs and I also have use for receive-only and transmit-only radios.

Thanks for any help.

PS. If this sounds like a fun project, I'd love to talk to you!!

Call me on 146.52 simplex -- I'm up by Outback Steakhouse on Creedmoor Rd. I'm on many evenings and some weekends. I commute at about 5 p.m. from Morrisville, also on 146.52. If I don't answer, or if you'd rather, call me on the phone at 919-386-0311, my hamshack phone and email me at tadd@mac.com.

I made a web-site for the project that is <http://tarpn.net>

Want to purchase a "new" but used piece of ham equipment? Do you want to sell some gear? Browse the RARS classifieds for amateur radio equipment at <http://rars.org/classifieds.php>.

RARS members may post notices about equipment they are selling. Posts last for 30 days and are editable at any time.

Using our classifieds is a great way for buyers to search for available items and for sellers to reach a local, targeted audience.

